AMENDMENTS TO THE SPECIFICATION

Please replace the paragraphs starting at page 3, lines 3-19 with the following rewritten paragraph:

~~Examples of meta-data PSIP tables that can benefit from the method according to the invention include extended text tables (ETTs) and extended information tables (EITs).~~

~~Each issuance interval between any two instances of an ith table can be determined according to the following equation:~~
~~interval (ith table) = root_time + increment_time)*i~~
~~where interval (ith table) is the interval between any two instances of the ith table, root_time is a predetermined interval for the table corresponding most closely in time to the present, increment_time is a non-zero scalar and I is a non-zero integer.~~

~~The invention, also in part, provides a program and system information protocol (PSIP) generator to generate tables for a digital television system packet stream, the generator comprising: an interface to receive at least one issuance parameter for like tables that do not all have an issuance interval assigned by a governing standard; and a non-uniform interval calculation unit to determine non-uniform issuance intervals for unassigned-interval ones of said like tables based upon said at least one issuance parameter. Such a PSIP generator embodies the method according to the invention, e.g., as described herein.~~

According to one embodiment, a method to optimize a bandwidth of a digital television (DTV) transport stream and to determine transmission cycles for tables to be transmitted as part of the DTV transport stream, the method comprising: setting transmission cycles for event information tables (EITs) to be transmitted in sequence according to the following condition: transmission cycle (EITi-1) < transmission cycle (EITi), for i=1 and 2, a time span covered by EITi-1 being prior to a time span covered by EITi, wherein the transmission cycle for the EIT0 is set narrower than the transmission cycle for the EIT1; setting a transmission cycle for an extended text table ETT3 containing program description information associated with one of the event information tables other than the EIT0 and the EIT1, wherein the transmission cycle of the ETT3 is greater than a sum of the transmission cycle of the EIT0 and the transmission cycle of the EIT1.

Please replace the originally filed Abstract with the attached replacement Abstract.